

SEQUENCE LISTING

<110> CropDesign N.V.

<120> Plants having increased yield and method for making the same

<130> CD-106-PCT

<150> US 60/532,287

<151> 2003-12-22

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1311

<212> DNA

<213> *Arabidopsis thaliana*

<220>

<221> misc_feature

<223> A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 and a T instead of C on position 1295

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gtatcaatac	ctccaacaaa	accttccttt	aaacagcaaa	agagacgtgc	agtacttaag	180
gatgtgagta	ataccctctgc	agatattatt	tattcagaac	ttcgaaaggg	aggcaacatc	240
aaggcaaca	gaaaatgtct	aaaagagcct	aaaaaaagcag	caaaggaagg	tgctaacagt	300
gccatggata	ttctggtaga	tatgcataca	aaaaaatcaa	aatttagcaga	agattttgtcc	360
aagatcagga	tggctgaagc	ccaagatgtc	tctctttcaa	actttaaaga	tgaagaaatt	420
actgagcaac	aagaagatgg	atcaggtgtc	atggagttac	ttcaagttgt	agatattgtat	480
tccaaacgtcg	aaagatccaca	gtgttgccgc	ttgttatgtcg	ctgatata	tgacaacata	540
catgttgcag	agcttcaaca	acgacccttg	gctaattata	tggagcttgc	gcagcgagat	600
atcgaccac	acatgagaaa	gattctgatt	gactggcttg	tagaagtttc	tgacgactac	660
aagctgggtc	cagatacgct	ttacattaca	gtgaatctta	tcgaccgggtt	tctgtccaac	720
agttacattg	aaaggcaaaag	actccagctc	cttgggtgtct	cttgcatgt	tatagcttca	780
aaatatgaag	agctttccgc	accaggggtg	gaggagttt	gcttcattac	ggccaacaca	840
tacacaagac	cagaagtgc	gagcatggag	attcaaattc	taaattttgt	gcacttttaga	900
ttatcggttc	ctaccaccaa	aacatttctg	aggcggttca	ttaaagcagc	tcaagcttgc	960
tacaagggtgc	ctttcattga	actggagtat	ttagcaact	atctcgccga	attgacactg	1020
gtggaatata	gttccctaag	gttcctgccca	tcactaattg	ctgcttcagc	tgttttccta	1080
gcccgatgga	cactcgaacca	aactgaccat	ccttggaaacc	ctactctgca	acactacacc	1140
agatatgagg	tagctgagct	gaagaacaca	gttctcgcca	tggaggactt	gcagctcaac	1200
accagtggct	gtactctcg	tgccacccgt	gagaaataca	accaaccaa	gtttaagagc	1260
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<210> 2

<211> 436

<212> PRT

<213> *Arabidopsis thaliana*

<220>

<221> MISC_FEATURE

<223> A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position

284 and a phenylalanine instead of a serine on position 432

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Ala	Lys	Lys	Ala	Met	Gly	Arg	Gly	Val	Ser	Ile	Pro	Pro	Thr	Lys	Pro
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Ser	Phe	Lys	Gln	Gln	Lys	Arg	Arg	Ala	Val	Leu	Lys	Asp	Val	Ser	Asn
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															55
															60
Thr	Ser	Ala	Asp	Ile	Ile	Tyr	Ser	Glu	Leu	Arg	Lys	Gly	Gly	Asn	Ile
															65
															70
															75
															80
Lys	Ala	Asn	Arg	Lys	Cys	Leu	Lys	Glu	Pro	Lys	Lys	Ala	Ala	Lys	Glu
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															90
															95
Gly	Ala	Asn	Ser	Ala	Met	Asp	Ile	Leu	Val	Asp	Met	His	Thr	Glu	Lys
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															105
															110
Ser	Lys	Leu	Ala	Glu	Asp	Leu	Ser	Lys	Ile	Arg	Met	Ala	Glu	Ala	Gln
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															120
															125
Asp	Val	Ser	Leu	Ser	Asn	Phe	Lys	Asp	Glu	Glu	Ile	Thr	Glu	Gln	Gln
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															135
															140
Glu	Asp	Gly	Ser	Gly	Val	Met	Glu	Leu	Leu	Gln	Val	Val	Asp	Ile	Asp
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Ser	Asn	Val	Glu	Asp	Pro	Gln	Cys	Cys	Ser	Leu	Tyr	Ala	Ala	Asp	Ile
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															170
															175
Tyr	Asp	Asn	Ile	His	Val	Ala	Glu	Leu	Gln	Gln	Arg	Pro	Leu	Ala	Asn
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															185
															190
Tyr	Met	Glu	Leu	Val	Gln	Arg	Asp	Ile	Asp	Pro	Asp	Met	Arg	Lys	Ile
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															205
Leu	Ile	Asp	Trp	Leu	Val	Glu	Val	Ser	Asp	Asp	Tyr	Lys	Leu	Val	Pro
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															215
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Asp	Thr	Leu	Tyr	Leu	Thr	Val	Asn	Leu	Ile	Asp	Arg	Phe	Leu	Ser	Asn
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															230
															235
															240
Ser	Tyr	Ile	Glu	Arg	Gln	Arg	Leu	Gln	Leu	Leu	Gly	Val	Ser	Cys	Met
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															250
															255
Leu	Ile	Ala	Ser	Lys	Tyr	Glu	Glu	Leu	Ser	Ala	Pro	Gly	Val	Glu	Glu
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															265
															270
Phe	Cys	Phe	Ile	Thr	Ala	Asn	Thr	Tyr	Thr	Arg	Pro	Glu	Val	Leu	Ser
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															280
															285
Met	Glu	Ile	Gln	Ile	Leu	Asn	Phe	Val	His	Phe	Arg	Leu	Ser	Val	Pro
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															295
															300

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser
 305 310 315 320

Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala
 325 330 335

Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
 340 345 350

Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
 355 360 365

Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
 370 375 380

Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
 385 390 395 400

Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
 405 410 415

Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser
 420 425 430

Leu Phe Ser Arg
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<210> 3
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<212> DNA

<213> Oryza sativa

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ttattgtaaa gttctacaaa gctaattaa aagttattgc attaacttta ttcatattac 180
aaacaagagt gtcaatggaa caatgaaaac catgacat actataattt tgTTTTattt 240
attgaaatta tataattcaa agagaataaa tccacatagc cgtaaaggtc tacatgtgg 300
gcattaccaa aatatataata gcttacaaaa catgacaaggc tttagtttcaa aaatttgcatt 360
ccttatcaca ttgacacata aagtgaatgtga tgagtataa tattattttc ttgcaccc 420
atcatgtata tatgatagcc acaaaggtaa tttgatgtat atatcaaaga acatttttag 480
gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540
aaaactaaca ctctaaagca accgatggaa aagcatctat aaatagacaa gcacaatgaa 600
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<213> Artificial sequence

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<223> primer PRM582

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<210> 5
<211> 52

<212> DNA
<213> Artificial sequence

<220>
<223> primer PRM583

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52